

Fig. 1

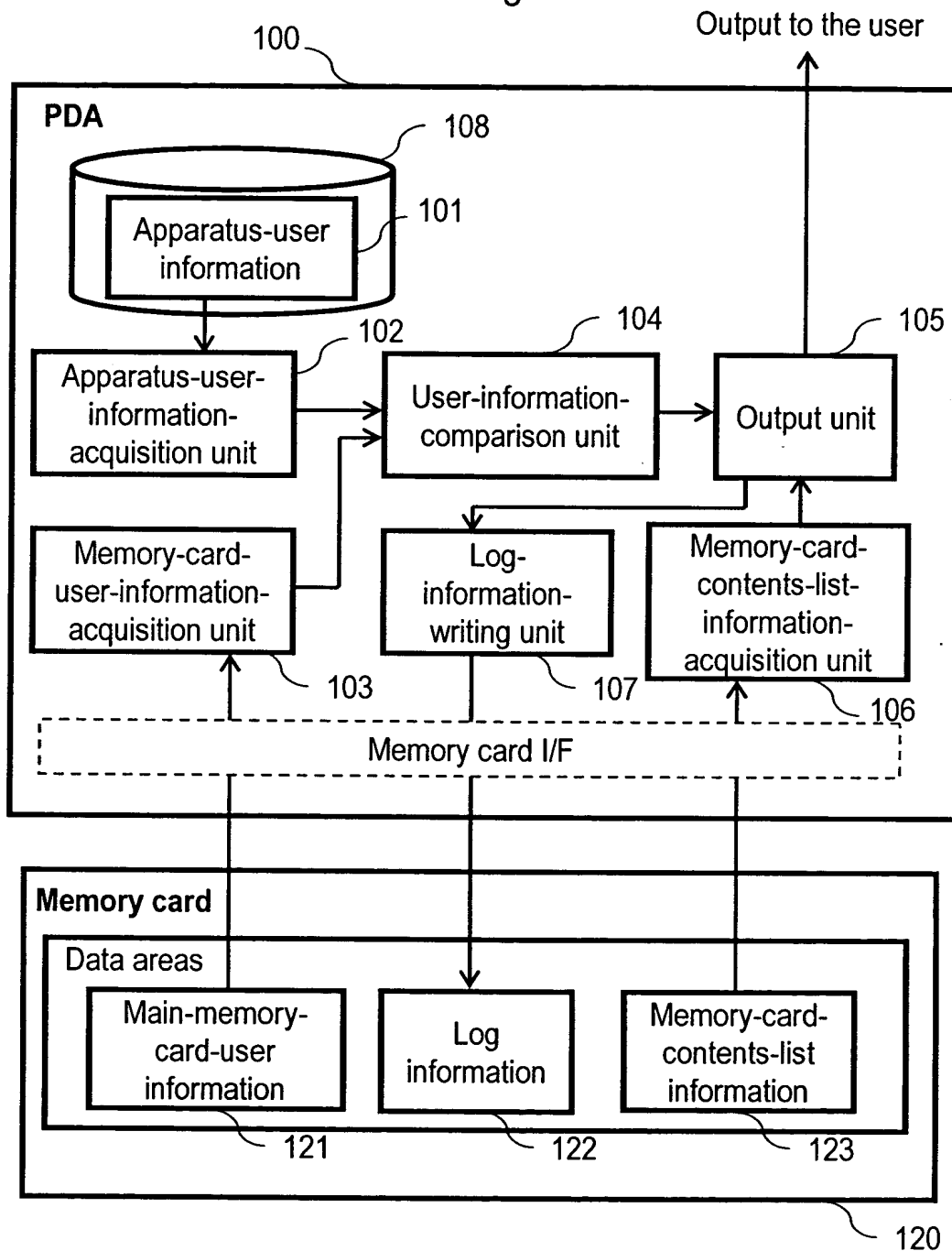


Fig. 2

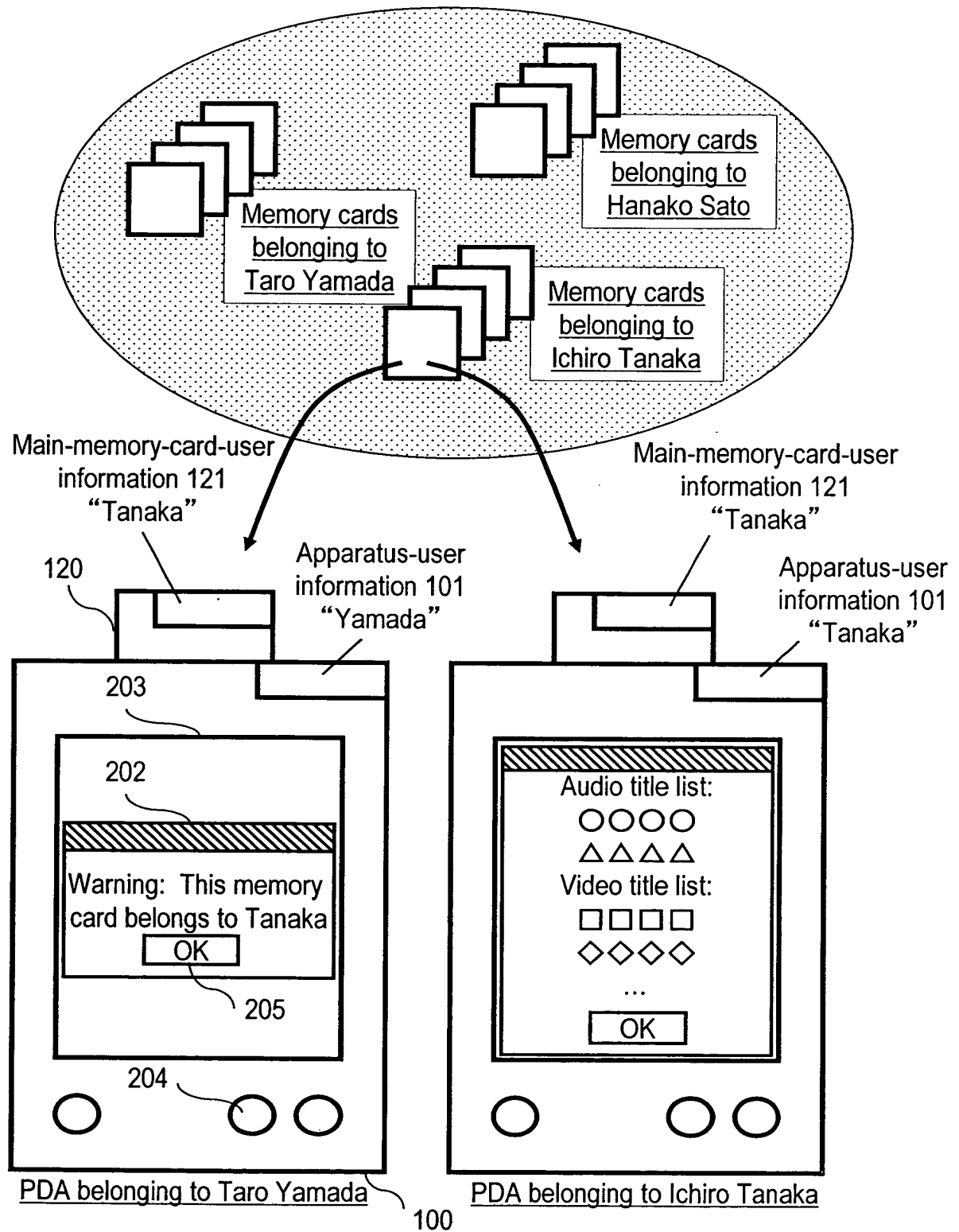


Fig. 3

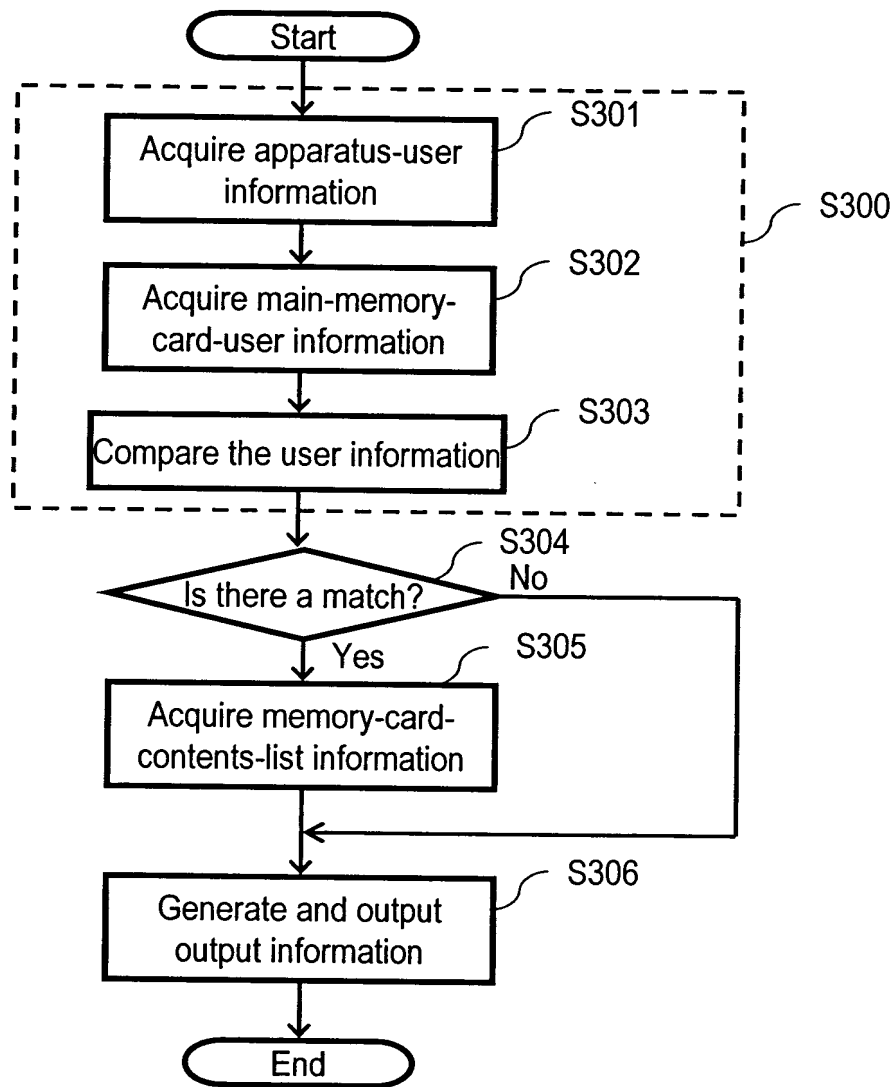


Fig. 4A

Apparatus-user information, main-memory-card-user information

401	Data type	Byte(s)
402	User ID	4
	User name	64

Fig. 4B

Sub-memory-card-user information

Data type	Byte(s)	
Number of usable user IDs	4	405
User ID	4	406
User ID	4	
....	
User ID	4	

Amount of usable user IDs

Fig. 5

Data type	Byte(s)	Value	Explanation
Comparison result	4	0 = MATCH 1 = UNMATCH 2 = NOTHING	Match No match No user information

Fig. 6A

Data Structure (List Information)

Memory-card-contents-list information

Data type	Byte(s)	601	602
Number of file types	4		
File-list information	68~	}	Lists for all file types
File-list information	68~		
....		
File-list information	68~		

Fig. 6B

Data Structure (List Information)

File-list information

Data type	Byte(s)	603	604
File-type name	64		
Number of files	4	}	Amount of files
File name	128		
File name	128		
....		
File name	128		

Fig. 7A

Apparatus-user information

Data type	Value
User ID	0120
User name	"Yamada"

Fig. 7B

Apparatus-user information

Data type	Value
User ID	0120
User name	
E-mail address	"yamada@saijo.xx.jp"
Address information	"1-1-1 Saijo, Hiroshima City"

Fig. 8A

Main-memory-card-user information

Data type	Value
User ID	0124
User name	"Tanaka"

Fig. 8B

Main-memory-card-user information

Data type	Value
User ID	0120
User name	"Yamada"

Fig. 8C

Main-memory-card-user information

Data type	Value
User ID	0124
User name	"Tanaka"
E-mail address	"tanaka@saijo.xx.jp"

801

Fig. 9A

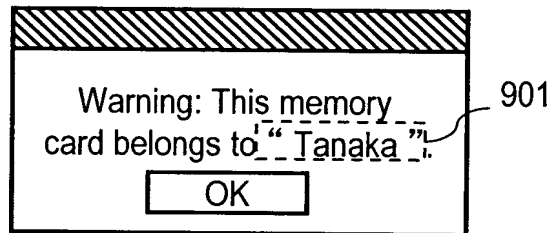


Fig. 9B

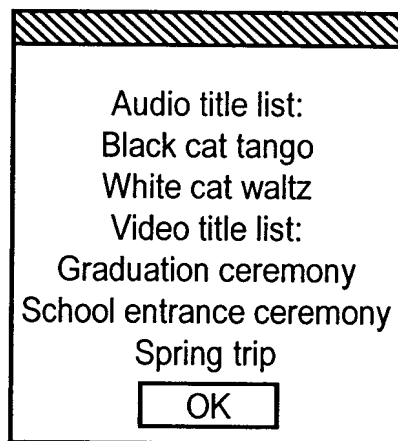


Fig. 10

1000

Data type	Value
Number of file types	2
File-type name	" SD-Audio "
Number of files	2
File name 1	"Black cat tango"
File name 2	"White cat waltz"
File-type name	" SD-Video "
Number of files	3
File name 1	"Graduation ceremony"
File name 2	"School entrance ceremony"
File name 3	"Spring trip"

1001

1002

1003

Fig. 11

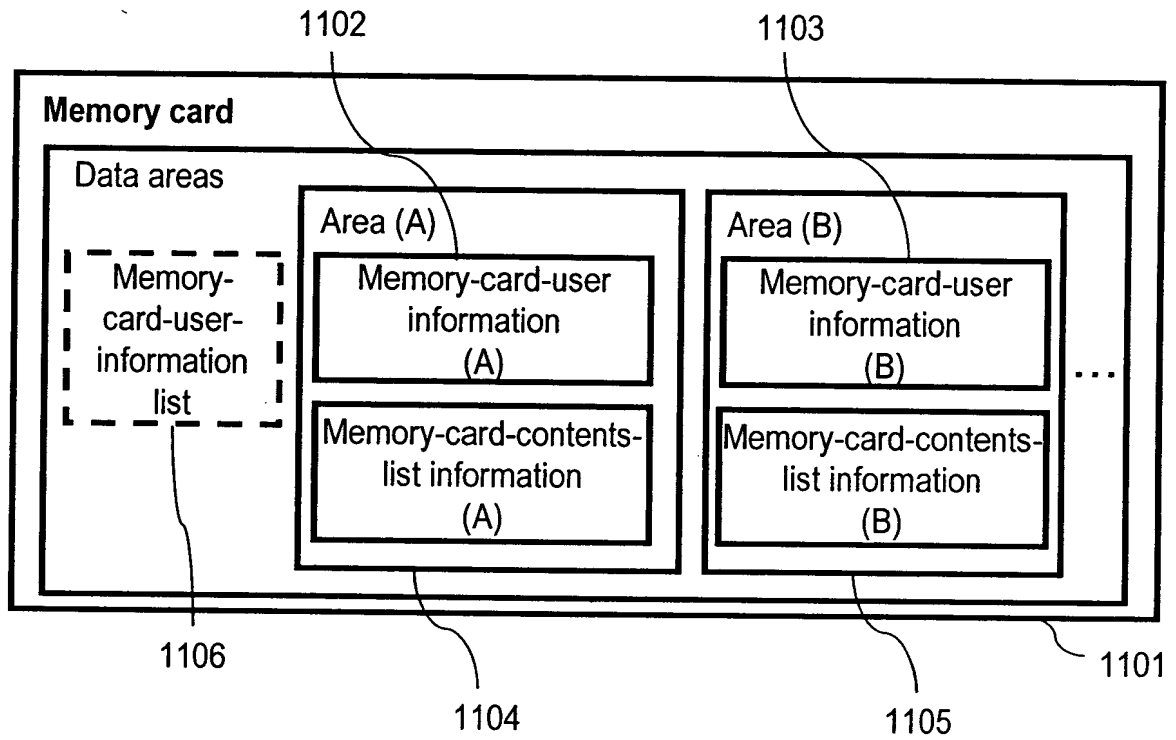


Fig. 12

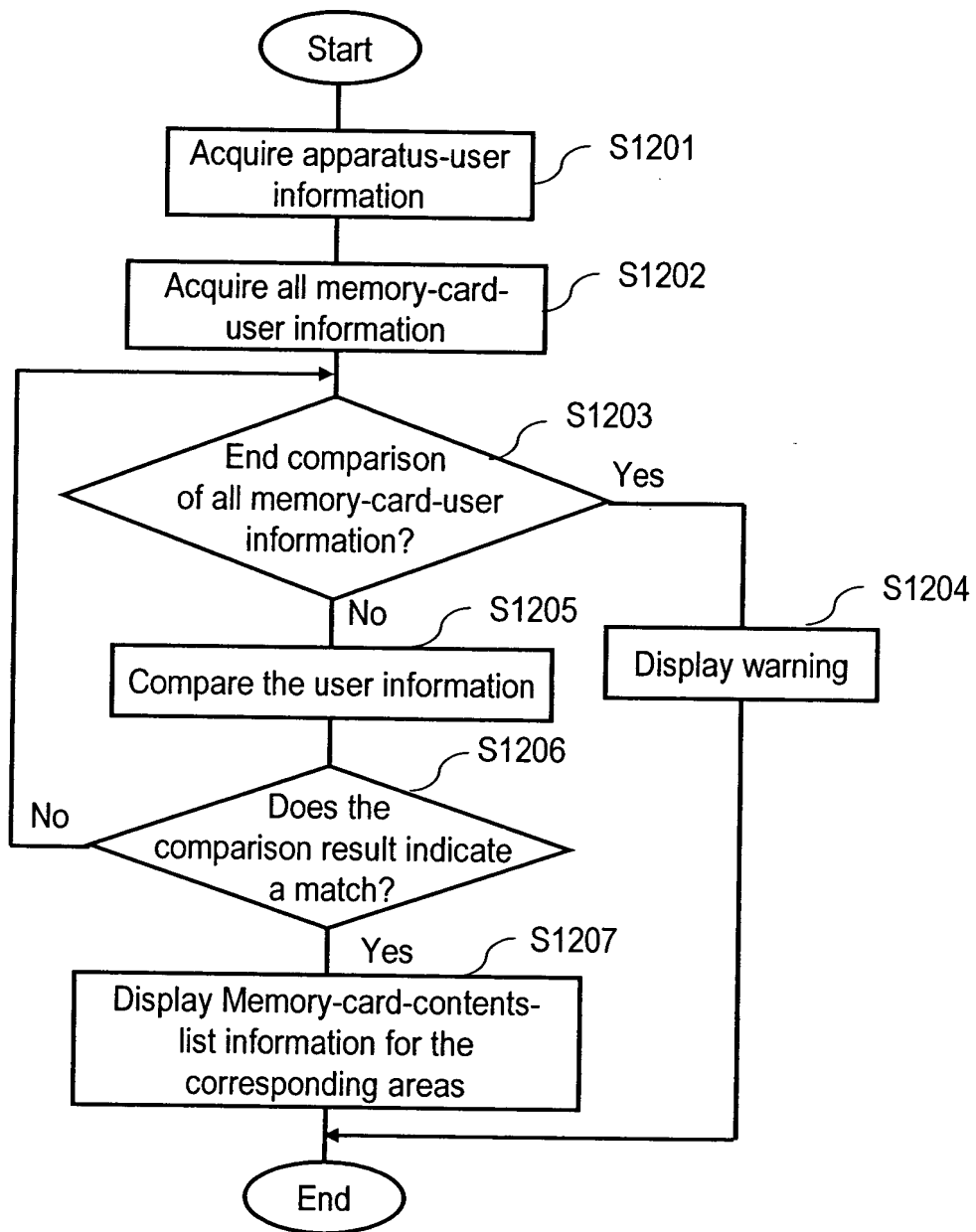


Fig. 13

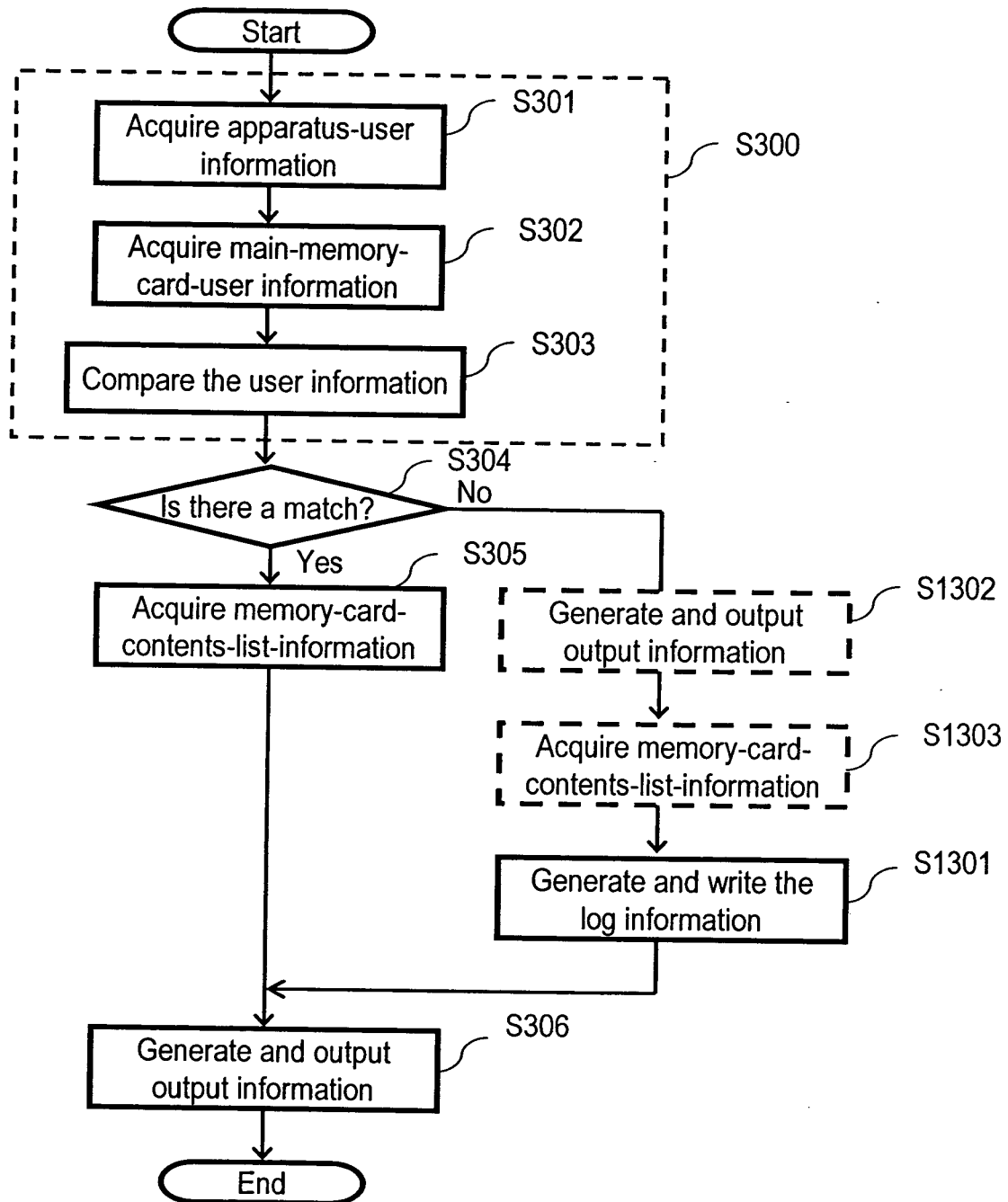


Fig. 14A

Memory-card-user information: 1401

Data type	Byte(s)	
User ID	4	1402
User name	64	1403
Date/time of use	128	1404

Fig. 14B

Log information: 122

Data type	Byte(s)	
Number of memory card users	4	1405
Memory-card-user information	196	1401
....	
Memory-card-user information	196	

Amount of memory card user

Fig. 15A

Memory-card-user information

Data type	Value
User ID	0120
User name	"Yamada"
Date/time of use	"2002 / 3 / 8 14:00"

Fig. 15B

Log information

Data type	Value	
Number of memory card users	2	1501
User ID	0122	
User name	"Sato"	
Date/time of use	"2002 / 3 / 1 10:30"	
		1502
User ID	0120	
User name	"Yamada"	
Date/time of use	"2002 / 3 / 8 14:00"	

Fig. 16A

Memory-card-user information: 1601

Data type	Byte(s)	
User ID	4	1402
User name	64	1403
Date/time of use	128	1404
Start address of referenced-contents information	4	1602

Fig. 16B

Referenced-contents information: 1603

Data type	Byte(s)	
File name	128	1604
File type name	64	1605
Date/time of last use	128	1606
Number of time referenced	4	1607
Start address of next referenced-contents information	4	1608

Fig. 17A

Log information

Data type	Value	1503
Number of memory-card users	2	
User ID	0122	1501
User name	"Sato"	
Date/time of use	"2002 / 3 / 1 10:30"	1701
Start address of referenced-contents information	1010	
User ID	0120	1502
User name	"Yamada"	
Date/time of use	"2002 / 3 / 8 14:00"	1702
Start address of referenced-contents information	1001	

Fig. 17B

Referenced-contents information

Start address 1001		1703
1704	Data type	
1705	File name	"White Cat Waltz"
1706	File type name	"SD-Audio "
1707	Date/time of last use	"2002/3/1 09:15"
1708	Number of times referenced	2
	Start address of next referenced-contents information	1002
Start address 1002		
	Data type	Value
	File name	"Spring Trip"
	File type name	"SD-Video"
	Date/time of last use	"2002/3/1 10:00"
	Number of times referenced	100
	Start address of next referenced-contents information	NULL

Fig. 18A

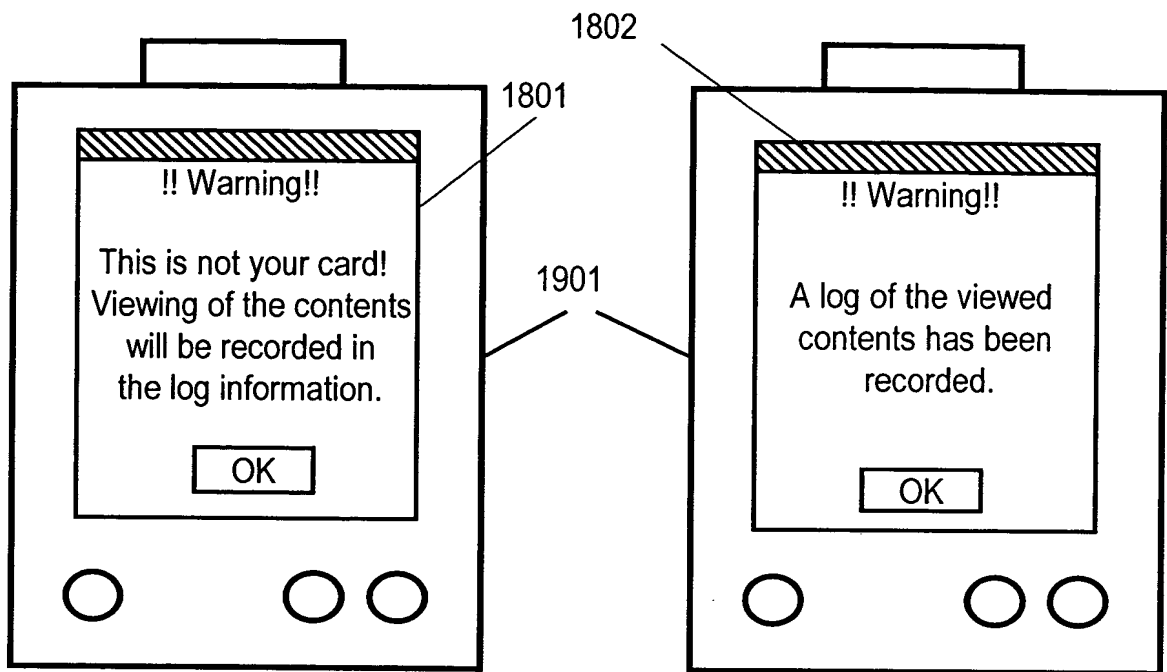


Fig. 18B

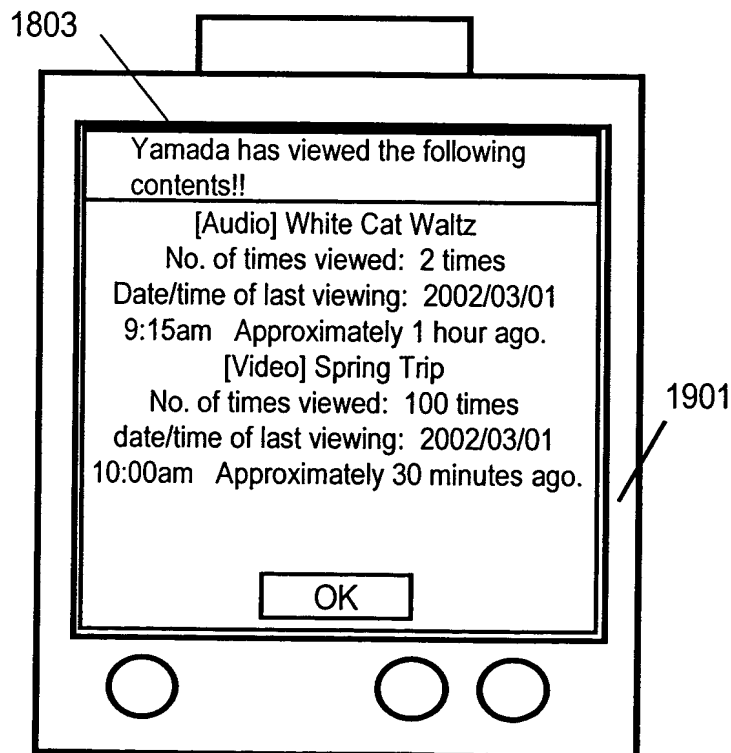


Fig. 18C

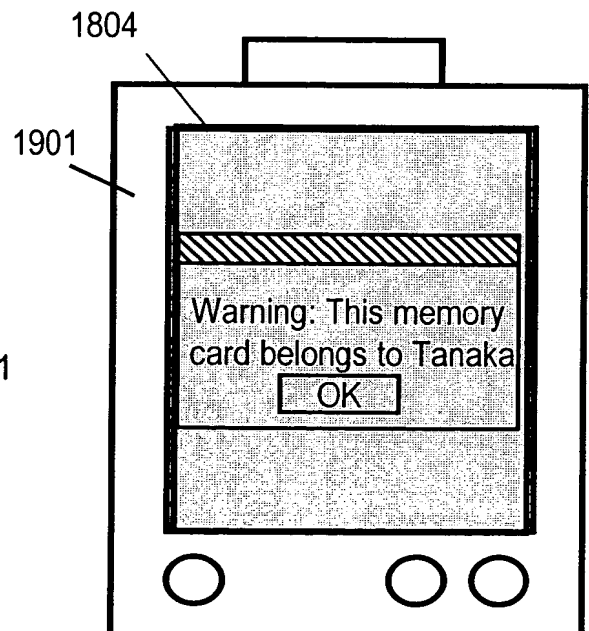


Fig. 19

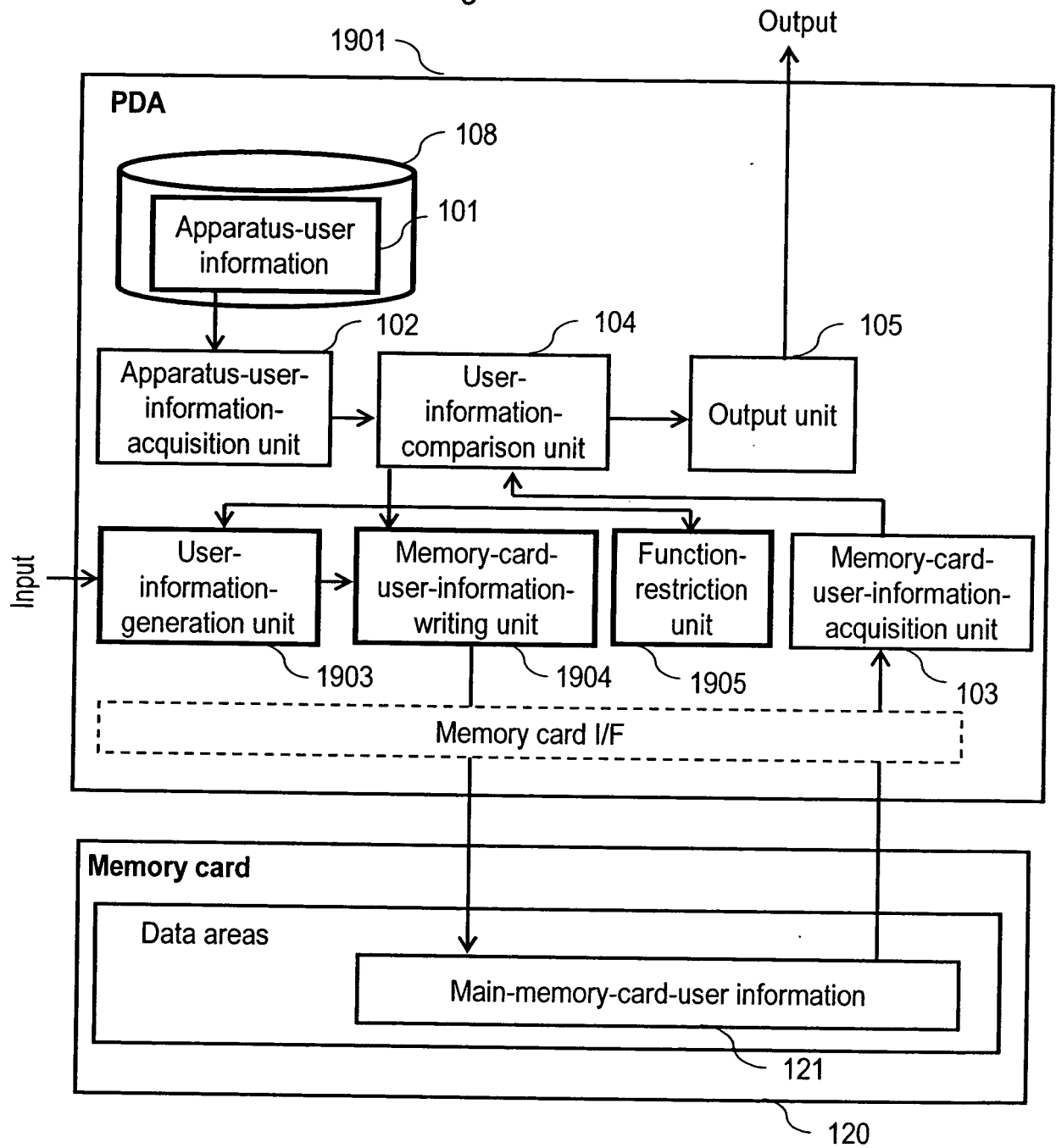


Fig. 20

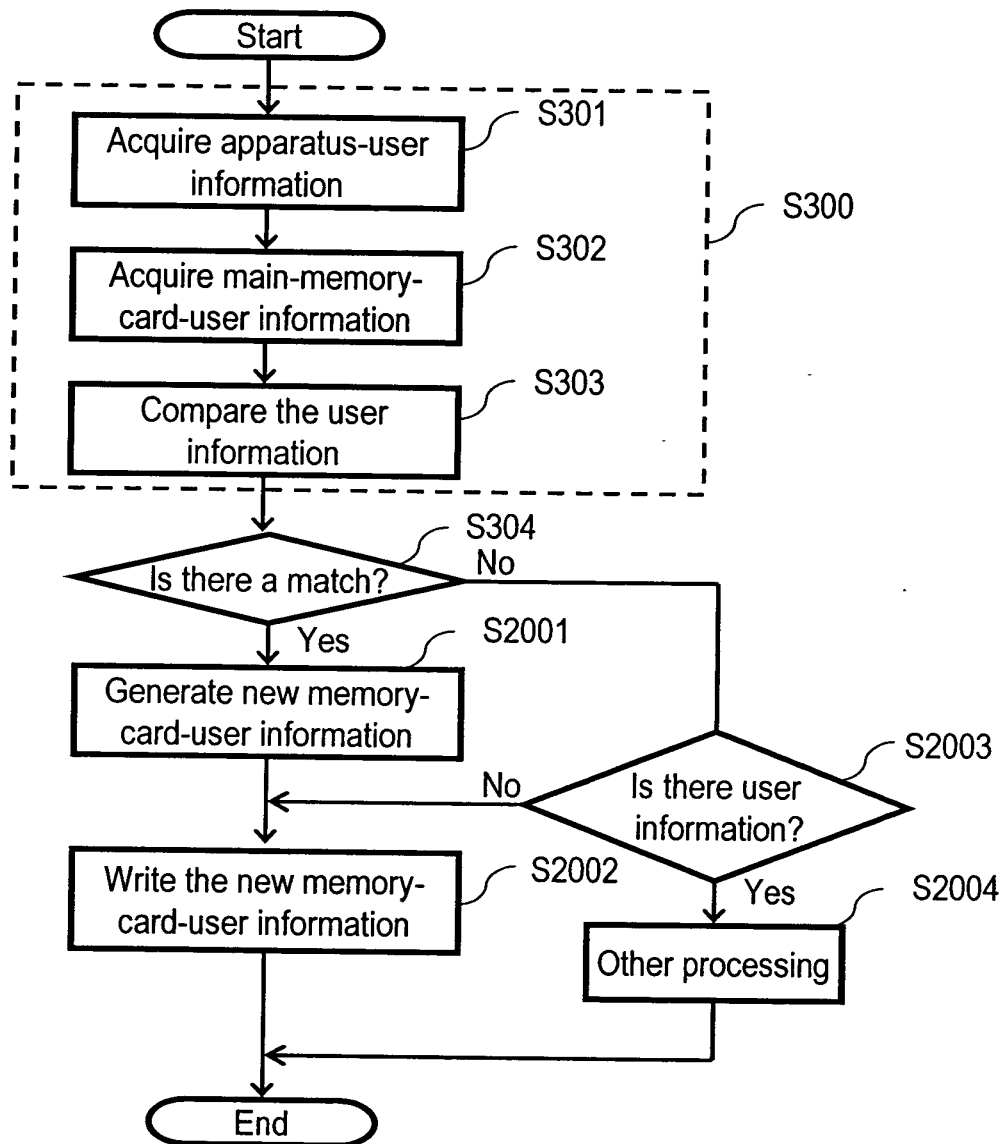


Fig. 21

Display example

<Change of memory-card-user information>

User ID: 0124

New user ID:

User name: Tanaka

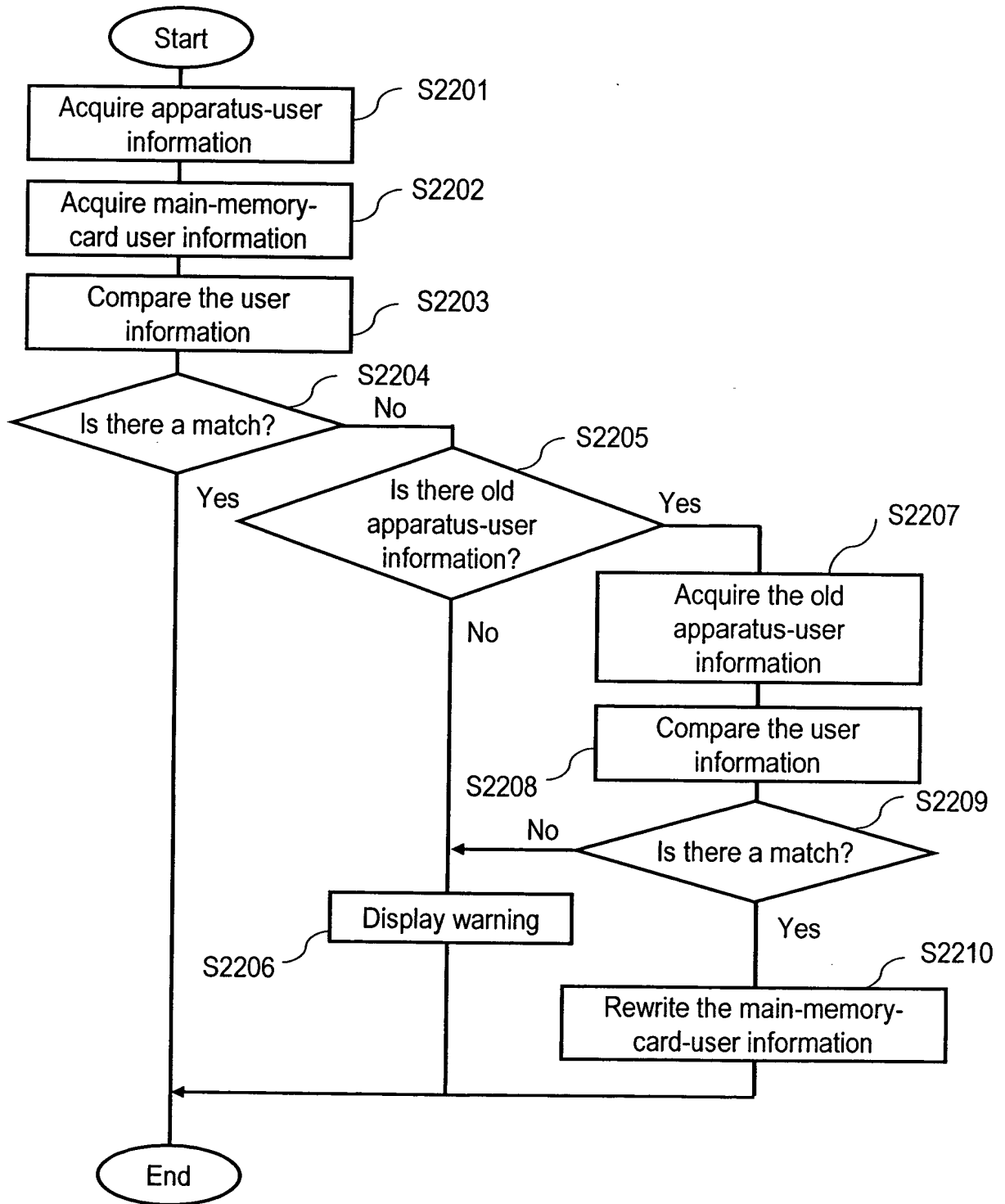
New user name:

OK

2101

2102

Fig. 22



Receive mail from the owner of the memory card.

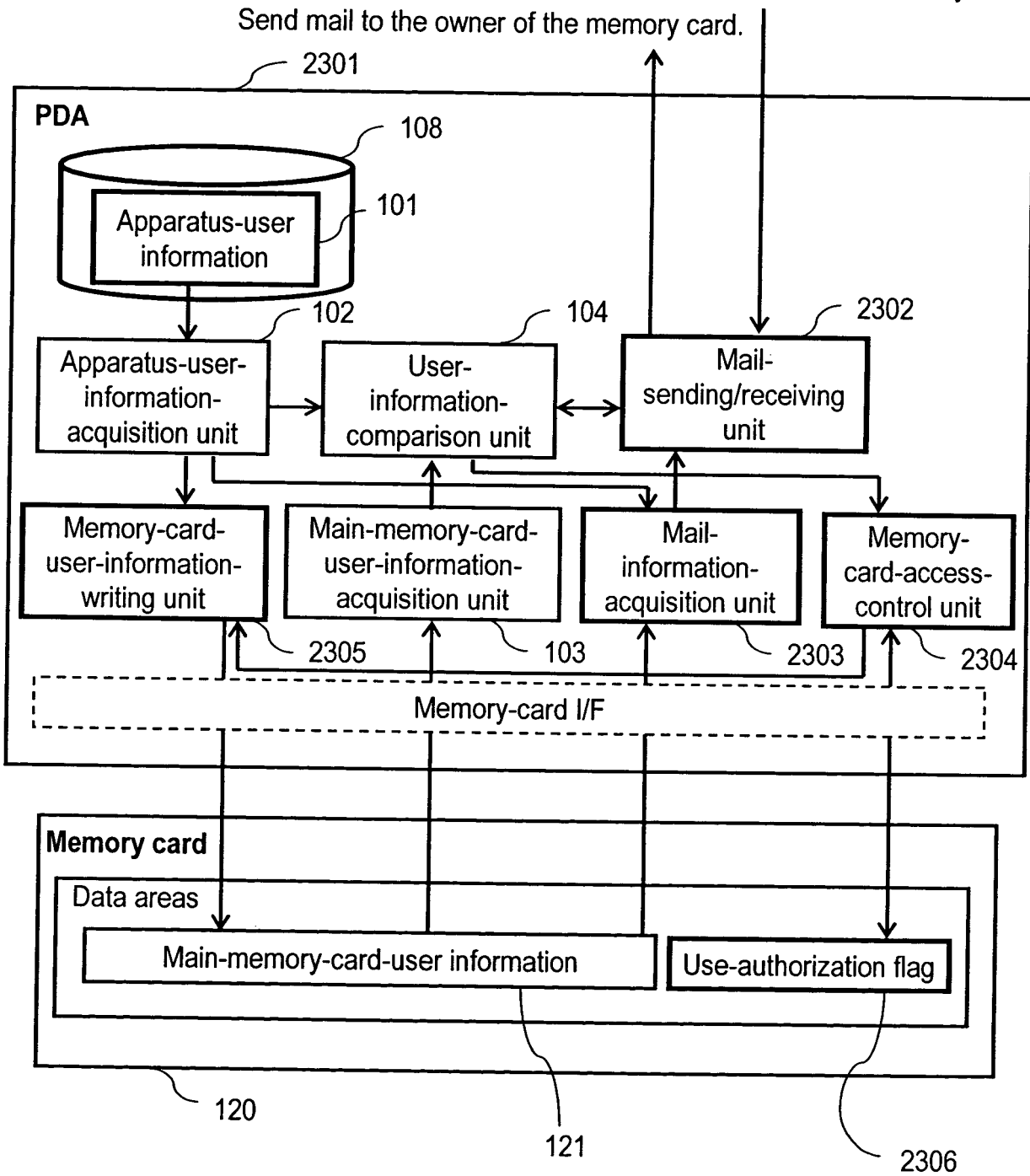


Fig. 24

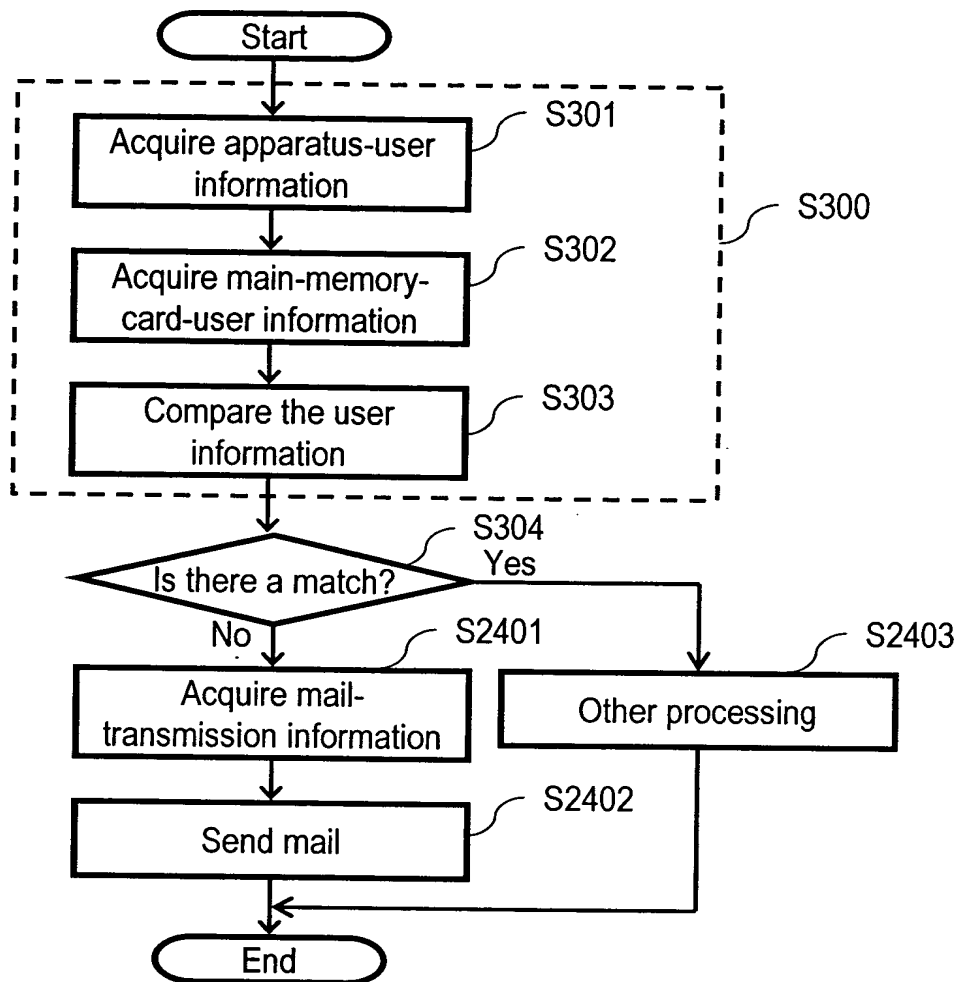


Fig. 25A

Mail-transmission information 2501

Data type	Byte(s)	
Mail address of source	64	2502
Mail address of destination	64	2503
Subject	64	2504
Date/time of use	128	2505
Apparatus-user name	64	2506
Address information	128	2507

Fig. 25B

Mail-transmission information 2511

Data type	Value
Mail address of source	"yamada@saijo.xx.jp"
Mail address of destination	"tanaka@saijo.xx.jp"
Subject	"Memory-card-use information"
Date/time of use	"Mon 7 May 2002 15:06:44 +0900"
Apparatus-user name	"Yamada"
Address information	"1-1-1 Saijo, Hiroshima City"

Fig. 26

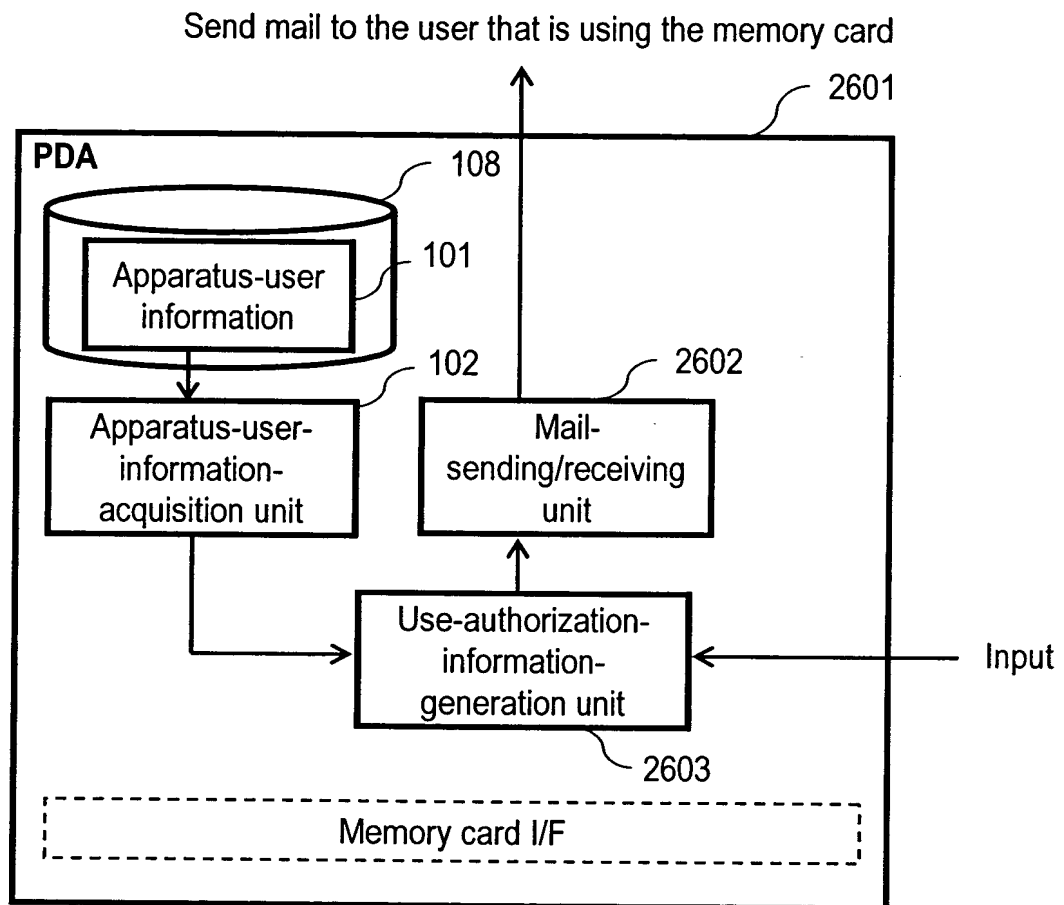


Fig. 27

Display example

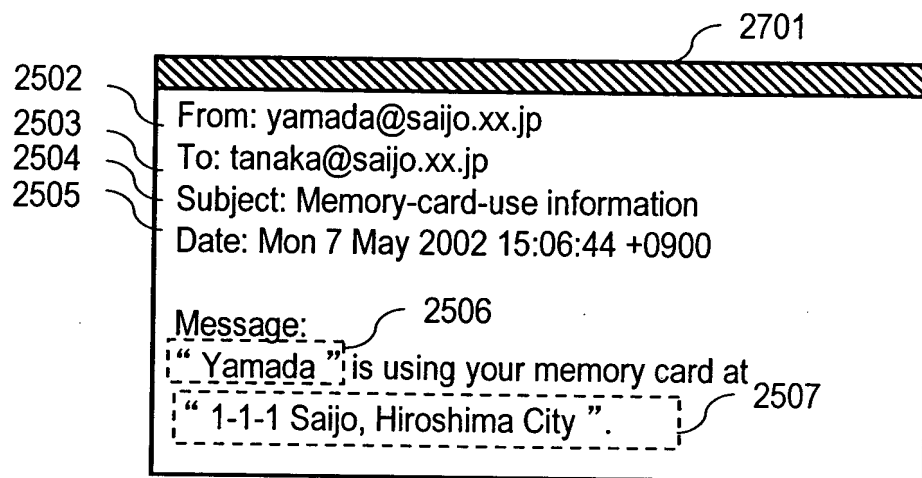


Fig. 28

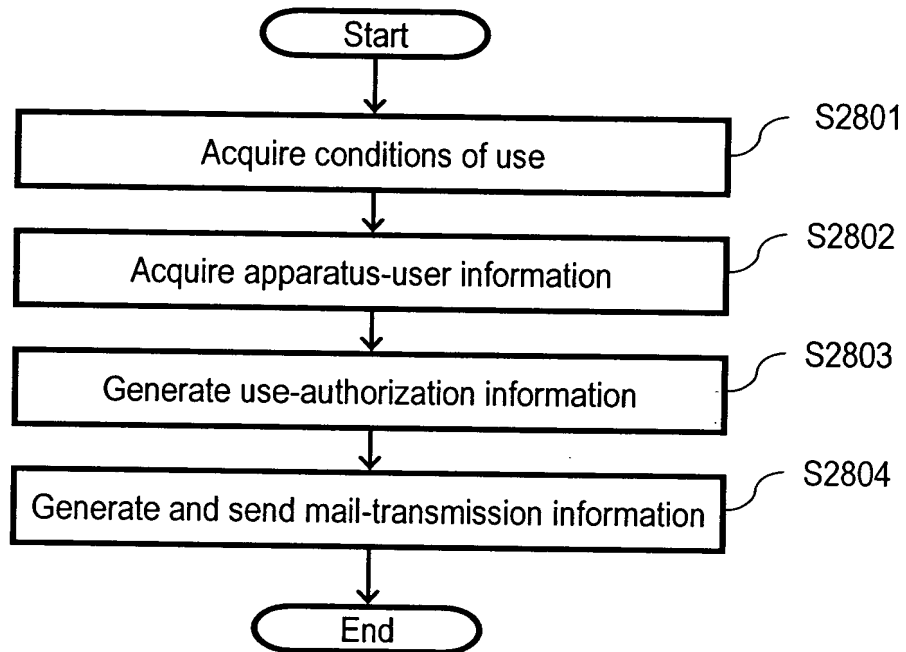


Fig. 29

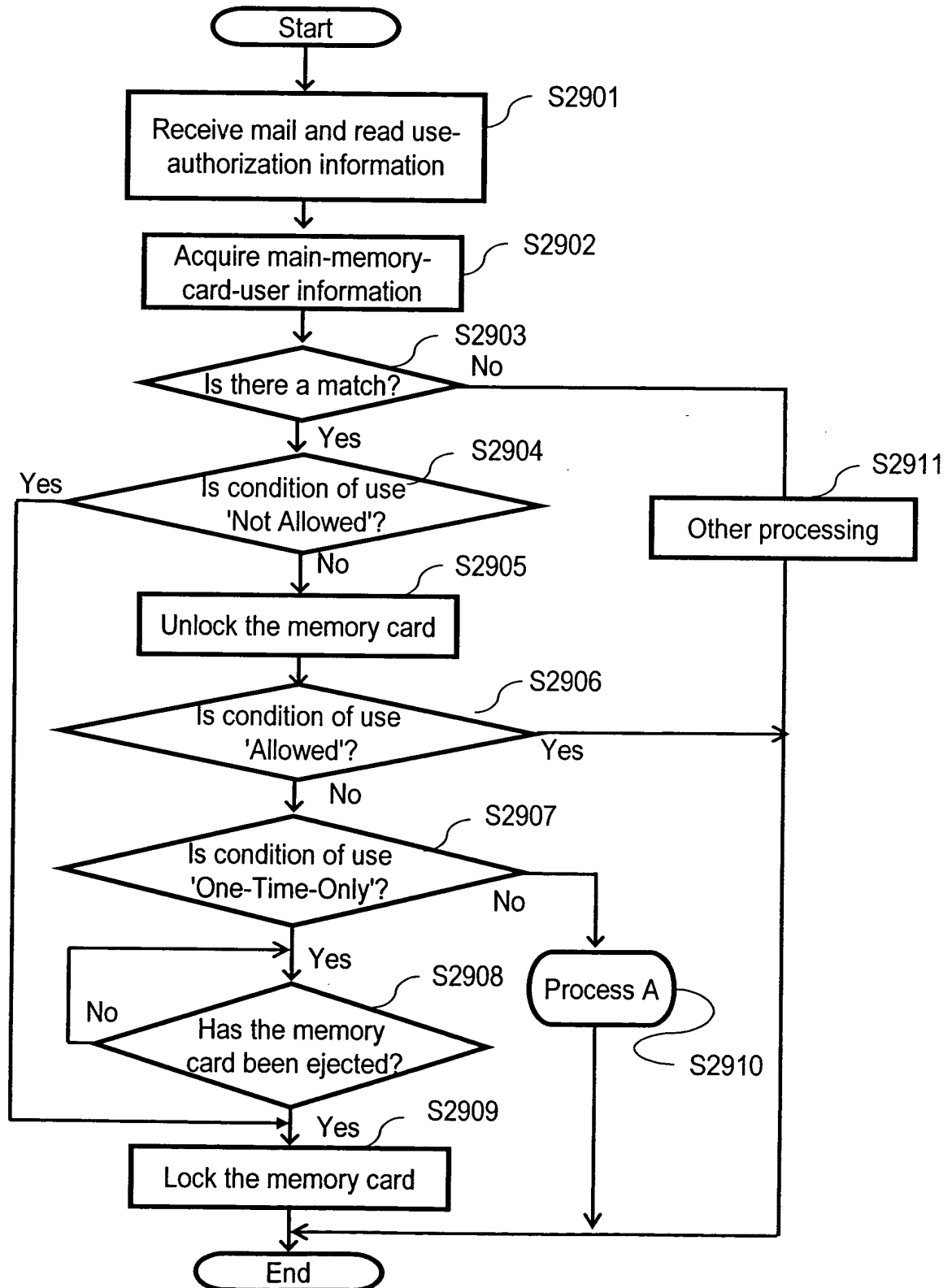


Fig. 30

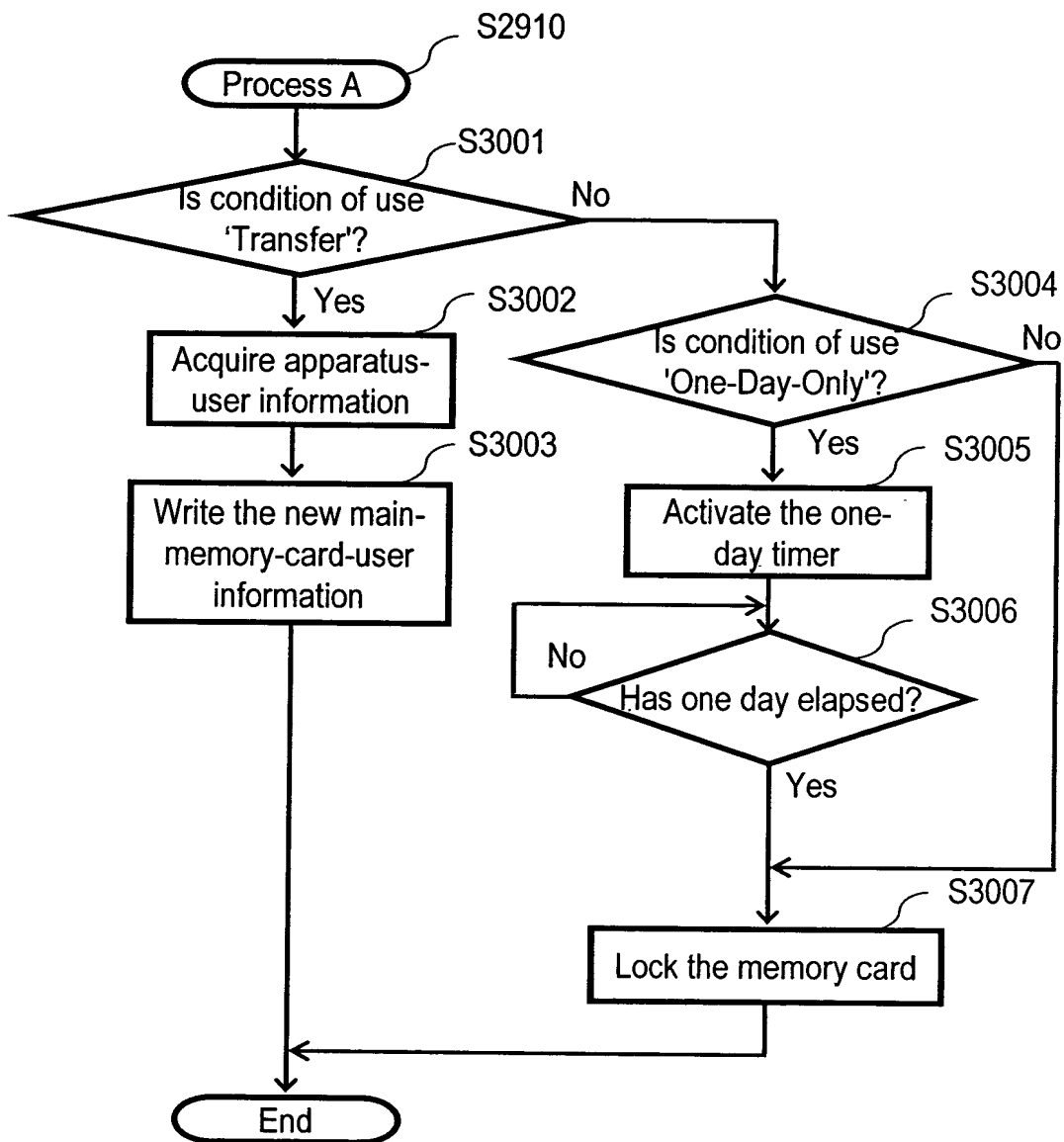


Fig. 31A

Use-authorization information 3100

Data type	Byte(s)
User ID	4
User name	64
Condition of use	4

3101
3102
3103

Fig. 31B

Use-authorization information 3110

Data type	Value
User ID	0124
User name	"Tanaka"
Condition of use	3

Fig. 31C

Conditions of use

Data type	Byte(s)	Value	Explanation
Condition of use	1	0	Transfer
		1	One-day-only use allowed
		2	One-time-only use allowed
		3	Use not allowed
		4	Use allowed

Fig. 32A

Mail-transmission information 3201

Data type	Byte(s)
Mail address of source	64
Mail address of destination	64
Subject	64
Date/time	128
Use-authorization information	72

3202
3203
3204
3205
3100

Fig. 32B

Mail-transmission information

Data type	Value
Mail address of source	"tanaka@saijo.xx.jp"
Mail address of destination	"yamada@saijo.xx.jp"
Subject	"Memory card use authorization verification"
Date/time	"Mon 7 May 2002 15:06:44 +0900"
User ID	0124
Apparatus-user name	"Tanaka"
Condition of use	3

Use-authorization information

Fig. 33A

Display example

A screenshot of a dialog box titled "<Memory card use authorization registration>". The dialog box has a hatched title bar. It contains a "Mail Address:" label followed by a text input field. Below this, there is a "Condition of use:" section with five radio button options: "Transfer", "One-day-only use allowed", "One-time-only use allowed", "Use not allowed" (which is selected with a filled circle), and "Use allowed". A bracket on the right side of these options is labeled 3302. At the bottom of the dialog box is an "OK" button. The entire dialog box is labeled 3300 on the top right, and the input field is labeled 3301 on the right.

3300

<Memory card use authorization registration>

Mail Address:

3301

Condition of use:

- ☐ Transfer
- ☐ One-day-only use allowed
- ☐ One-time-only use allowed
- ☒ Use not allowed
- ☐ Use allowed

3302

OK

Fig. 33B

Display example

A screenshot of an email message. The header shows "From: yamada@saijo.xx.jp", "To: tanaka@saijo.xx.jp", "Subject: Memory card use authorization verification", and "Date: Mon 7 May 2002 15:06:44 +0900". The body of the email contains the text "Message from 'Tanaka':" and "The memory card can't be used for One Day Only.". The text "Tanaka" is enclosed in a dashed box, and the entire message body is labeled 3304 on the right.

From: yamada@saijo.xx.jp
To: tanaka@saijo.xx.jp
Subject: Memory card use authorization verification
Date: Mon 7 May 2002 15:06:44 +0900

Message from "Tanaka":

The memory card can't be used for One Day Only.

3304